

Sayre Mansion



Figure 5-32

Attention can be brought to the prominent, hexagonal part of the building to the left of the front entrance by ground level floodlights (floodlighting). These floodlights would wash the brick façade and emphasize the intricate brick detailing (grazing). By uplighting various trees around the property with ground level floodlights, an inviting look could be added to the grounds all through the year. Light levels should be consistent with the neighboring Wilbur Mansion.

Techniques used - floodlighting, grazing.

Installation: \$2,500 – \$7,000

Operation: \$250 – \$600

Union Station



Figure 5-33

Architectural lighting elements will play an important role in the personality of this building as a rehabilitation effort is made. Possible techniques to be used in conjunction with the restoration are silhouette lighting of the main columns at the entry and selective floodlighting and grazing of the buildings details.

Techniques used - silhouette, selective floodlighting, grazing floodlight.

Installation: ?

Operation: ?

Tally Ho



Figure 5-34

Floodlight fixtures, mounted just above the overhang to either side of the main entrance would light up the entire front façade of this building and even give the very decorative brick detailing at the roof line much needed attention (floodlighting). At the back of the building, just above the porch roof, a small spotlight could be used to graze up the wall, catching the “Tally Ho” lettering, bringing it to life (grazing floodlight). A decorative “lantern” style light fixture could be added to the outside of the white columns along the porch/deck (ornamental). This would give a warm and inviting glow to a popular spot.

Techniques used - selective floodlighting, grazing floodlight, and ornamental.

Installation: \$3,500 – \$8,000

Operation: \$400 – \$700

Post Office



Figure 5-35

In-grade well lights and either building mounted or ground level spot/flood lights could be used to highlight the columns, corinthian capitals, dental work, and ornate cornice (selective floodlighting). This building is used by many people in their day-to-day lives and possesses a classic style of architecture worthy of attention to its detail. All lighting should be soft accents, not too bright.

Techniques used - selective floodlighting.

Installation: \$3,000 – \$10,000

Operation: \$250 – \$500



First Hispanic Baptist Evangelical Church



Figure 5-36

From the exterior, the impressive stained glass windows could benefit from small spotlights mounted on the interior of the church. This fixture type would utilize a lamp with a high color temperature to accentuate the blue hues of the glass (transmitted luminance). Bringing these windows to life at night would play an important role in the streetscape image of the church. In addition to the windows, the steeple, with its unique architectural features, would benefit from building mounted flood lights.

Techniques used - transmitted luminance, selective floodlighting.

Installation: \$2,000 – \$4,500

Operation: \$250 – \$450

Fritz Memorial United Methodist Church



Figure 5-37

Wall washing floodlights to highlight the stone facades would best complement this church (floodlighting). The stained glass windows could be emphasized by mounting a small spotlight on the interior to backlight the glass for viewing from outside (transmitted luminance). The tower could be internally illuminated to give a unique look to the steeple (silhouette).

Techniques used - transmitted luminance, floodlighting, silhouette.

Installation: \$2,000 – \$5,000

Operation: \$200 – \$500

Broughal Middle School



Figure 5-38

The light at the school's sign should be replaced with a more efficient, less obtrusive style of fixture. Small wall mounted floodlights could be used to accent the building's vertical columns (selective floodlighting). The basic wall sconces at the entrances should also be replaced with a decorative fixture, a "lantern" style fixture being an example (ornamental). This would greatly add to the rich architecture of the building.

Techniques used - ornamental and selective floodlighting.

Installation: \$8,000 – \$12,000

Operation: \$500 – \$900

St. Peter's Evangelical Lutheran Church



Figure 5-39

Wall washing floodlights to highlight the stone facades would best compliment this church (floodlighting). The stained glass windows could be emphasized by mounting a small spotlight on the interior to backlight the glass for viewing from outside (transmitted luminance). The tower could be internally illuminated to give a unique look to the steeple (silhouette).

Techniques used - transmitted luminance, floodlighting, silhouette.

Installation: \$3,000 – \$6,000

Operation: \$300 – \$600

Rooney House



Figure 5-40

Possibly use the flat brick face that is highly visible from North Bethlehem as a decorative canvas on which city functions and seasonal greetings can be displayed (ornamental). A few high-wattage, projector style light fixtures can easily achieve this effect from a nearby roof. It is not necessary for this building to be lighted in this manner every evening, but perhaps only on special occasions.

Techniques used - ornamental.

Installation: \$4,000 – \$10,000

Operation: \$300 – \$600

First United Church of Christ



Figure 5-41

On the front façade, a small spotlight mounted on the interior would best highlight the stained glass windows (transmitted luminance). These fixtures would utilize a lamp with a high color temperature to accentuate the blue hues of the glass. The tower could be internally illuminated to give a unique look to the twin towers (silhouette). The decorative wall mounted lanterns beside the main entry could be refurbished to provide an inviting entry (ornamental).

Techniques used - transmitted luminance, silhouette, ornamental.

Installation: \$1,000 – \$3,000

Operation: \$150 – \$250

Banana Factory



Figure 5-42

This building, being an arts and education center, would be an ideal place to utilize some creative lighting techniques. Neon tubing or fiber optics could help to pronounce the abstract wall lines on the lower portion (ornamental). In addition, neon tubing or side glow fiber optics could outline the building to accentuate the crisp lines of the architecture (delineation).

Techniques used - delineation, ornamental.

Installation: \$5,000 – \$20,000

Operation: \$500 – \$1,000

South Bethlehem Library



Figure 5-43

Spotlights mounted to nearby utility poles could be used to highlight the building name above the two entrances (selective floodlighting). Semi-decorative wall sconces could be added to draw attention to this important public building at night and give it a strong street level presence (ornamental). All lighting should be soft and warm.

Techniques used - ornamental, selective floodlighting.

Installation: \$500 – \$2,500

Operation: \$50 – \$250



Fahy Bridge



Figure 5-44

As this bridge is a major artery to and from the city of South Bethlehem, it is strongly recommended that the existing “cobra head” light fixtures and poles be replaced with a more aesthetically pleasing light standard. A decorative light fixture can include improved optics and light distribution for better visibility along the bridge (ornamental). Highlighting the architecture of the underside of the bridge could also play an important role in the personality of this structure. Simply floodlighting the underside and supports could emphasize this personality. For a more modern, creative approach, color washing the bridge’s underbelly could be done (floodlighting). To achieve the best color washing effect, the bridge should be painted in a light color for proper reflectivity. A second approach could be outlining the structural shape with side-glow fiber optics to change colors and simply define the structure (delineation).

Techniques used - ornamental, floodlighting, and delineation.

Installation: \$25,000 – \$100,000

Operation: \$500 – \$3,500

Protection Fire House (Touchstone)



Figure 5-45

Replacing the standard utility light fixtures above the Touchstone Café awning with more decorative fixtures would add visual interest to the storefront and create an inviting atmosphere. The wall-mounted fixtures on either side of the main theater entrance could be replaced with a decorative fixture that would add sparkle to the front façade, inviting guests inside (ornamental). In addition, a linear fluorescent fixture for an even wash of light could highlight the theater sign above the front doors. Outlining the top of the building with small point sources would give the theater more street presence and could remind patrons of the make-up lights used inside the theater (loci).

Techniques used - ornamental and linear.

Installation: \$2,500 – \$3,500

Operation: \$250 – \$500

Union Bank Building (Beth Works)



Figure 5-46

Linear fluorescent or cold cathode strip fixtures could be mounted to the top of the cornice. This would bring attention to the unique architecture that runs along the entire top of the building (linear). All lighting should be soft.

Techniques used - linear.

Installation: \$2,000 – \$4,000

Operation: \$250 – \$500

Our Lady of Pompeii Church



Figure 5-47

Replace the existing utility fixture at the main entrance with decorative fixture. This would add a pleasing visual element to the entrance and create an inviting atmosphere (ornamental).

Techniques used - ornamental.

Installation: \$400 – \$600

Operation: \$100 – \$150

St. John's Windish Lutheran Church



Figure 5-48

Since there is an existing system to floodlight the steeple's front façade, attention should be given to ensure that all of the fixtures are working properly. Selective floodlighting at the base of each window would highlight the white stone arches at the top of the windows (selective floodlighting). Decorative sconces added above each door would add an inviting appeal to the streetscape view (ornamental).

Techniques used - selective floodlighting, ornamental.

Installation: \$3,000 – \$7,000

Operation: \$250 – \$600

SS Cyril and Methodist Church



Figure 5-49

From the exterior, the stained glass windows could benefit from small spotlights mounted on the interior of the church. This type of fixture would utilize a lamp with a high color temperature to accentuate the blue hues of the glass (transmitted luminance). Bringing these windows to life at night would play an important role in the streetscape image of the church. In addition to the windows, the steeple would benefit from building mounted flood lights (floodlight).

Techniques used - transmitted luminance, selective floodlighting.

Installation: \$2,000 – \$3,500

Operation: \$250 – \$450

St. John's Capistrano Church



Figure 5-50

Replacing the two utility fixtures that flank the main entrance with decorative fixtures would greatly enhance the front doors. This would also create a warm and inviting statement to all that pass by (ornamental). The existing steeple lighting should be maintained to ensure proper operation. Soft floodlighting of the front and side of the church would help ground the building and further enhance the streetscape view (floodlighting).

Techniques used - ornamental, flood lighting.

Installation: \$500 – \$5,000

Operation: \$100 – \$450

St. Stanislaus Church



Figure 5-51

Decorative pier-mounted lights at the unique entry stair walls would help provide an inviting street level appearance (ornamental). Soft floodlights could be added to accent the details of the structure (floodlighting). All lighting should be at low levels and soft.

Techniques used - ornamental, soft floodlighting.

Installation: \$3,000 – \$5,000

Operation: \$200 – \$300



Holy Bethel Pentecostal Church



Figure 5-52

Soft floodlights from near the retaining wall could gently light the entire exterior of the structure (soft floodlighting). This form of floodlighting allows the church to have a comfortable street presence.

Techniques used - soft floodlighting.

Installation: \$600 – \$800

Operation: \$150 – \$200

Concordia Lutheran Church



Figure 5-53

Small spotlights mounted on the interior to backlight the glass would best serve the ornate stained glass windows to either side of the entrance (transmitted luminance). On the exterior, the columns that line the sides of the building could be uplighted from ground level. This can be done through the use of in-grade well lights or small above ground spotlights (floodlighting).

Techniques used - transmitted luminance, floodlighting.

Installation: \$1,000 – \$3,500

Operation: \$150 – \$350

PB & NE Railroad Building



Figure 5-54

General floodlighting could make this landmark building an anchor at the end of town. The floodlights should be placed relatively close to the building to pick up some of the brick texture without being so close that they accentuate any imperfections (grazing floodlight). If lighted, this building should be a relatively bright, landmark-style structure.

Techniques used - grazing floodlight.

Installation: \$5,000 – \$7,000

Operation: \$400 – \$600

Holy Ghost Preschool



Figure 5-55

The dark color of the stone makes this building a very difficult structure to light. Highly selective floodlighting should be used to highlight the details of the building. Small floodlights integrated into the window sill can highlight the windows and roof line (selective floodlighting). Special attention must be paid to the street level entrances to ensure this building is inviting at night. Decorative wall mounted lighting is suggested (ornamental). The overall level of light on this building should be soft and subtle.

Techniques used - selective floodlighting, ornamental.

Installation: \$5,000 – \$6,000

Operation: \$300 – \$400